

Amendments to the Specification

Please *amend* the paragraph on page 1, lines 25-28 as follows:

Because the operation of a data center was focused on a single (and rather large) entity, the design of a data center typically focused on one parameter or criterion – the amount of power needed to operate the mainframe computer. This parameter could be expressed in watts per square foot (watts/ft²). From the power requirements, the size or capacity of the equipment needed to dissipate heat generated by the mainframe could be estimated. The power and cooling requirements of the data center could be assumed ~~assume~~ to be uniform over the entire space of the data center as long as they were based on the requirements of the mainframe.

Please *amend* the paragraph on page 3, lines 3-8 as follows:

Therefore, in one embodiment of the invention a system and methods are provided for designing or configuring a data center. The design or configuration of a data center may address the design of the data center itself (e.g., architecture, construction, remodeling) and/or the configuration of the equipment to be installed (e.g., the type or models of equipment, equipment configurations, equipment layout). ~~layout~~

Please *amend* the paragraph on page 7, lines 3-6 as follows:

Functional capability may reflect the amount of storage space provided by a storage array, the processing capacity of a server, or other benefit. Illustratively, the functional capability of a particular type of equipment may be used to determine how many units of that equipment are needed.

Please *amend* the paragraph on page 8, lines 16-19 as follows:

FIG. 1 depicts an illustrative data center, populated with a variety of equipment having different requirements. In particular, data center 100 may be considered to encompass three zones – zones 110, 112, 114 ~~[[14]]~~ – each of which contains different types of equipment.

Please *amend* the paragraph on page 9, lines 20-24 as follows:

When a particular EU is defined, the total power, cooling and other requirements for supporting any number of identically configured pieces of equipment may be easily determined. Or, if it is determined that a data center has only limited capacity in one or more areas (e.g., cooling), the maximum number of EUs that can be supported may be readily calculated.

Please *amend* the paragraph on page 10, lines 15-20 as follows:

Further, the configuration of a piece of equipment reflected in an EU may represent just one possible configuration. For example, although Storage Array A ~~[[B]]~~ of EU 200 ~~240~~ specifies the (maximum) use of four multi-mode fiber connections, if it is determined that fewer connections (e.g., two) will be sufficient, the EU may be changed accordingly. If both configurations are desired, separate EUs may be defined.

Please *amend* the carry-over paragraph of page 12, line 19 to page 13, line 2 as follows:

In state 400, one or more capacities of the data center are determined. In the illustrated method, one or more data center capacities are fixed or not easily altered. For example, the power in-feed to the data center or the cooling capacity may be set. There will likely be a predetermined, or maximum, size for the data center, and/or there may be a structural limit to the amount of weight the floor of the data center can support. Not all data center capacities need to be known; others can be left for later determination, may be approximated or may be of little concern. For example, if the data center is located on the ground floor, and the amount of heavy equipment to be installed is relatively minor, then the load-bearing ability of the floor is unlikely to be a concern and may therefore be approximated.